

COATING FOR OPTICAL FIBERS AND METHOD OF MANUFACTURING THEREOF

5 **ABSTRACT**

Coating for an optical fiber and method of manufacturing thereof, the coating comprising at least one partly crosslinked polymer having a level of crosslinking which increases according to a radial distance as one moves from the internal surface (3) of the coating (4) which interfaces with a cladding section (2) to the external surface of the coating (4). The coating comprises a single resin which is composed of a volatile, multifunctional and moderately reactive monomer dissolved in a fast curable oligomer, having a low modulus when polymerized.